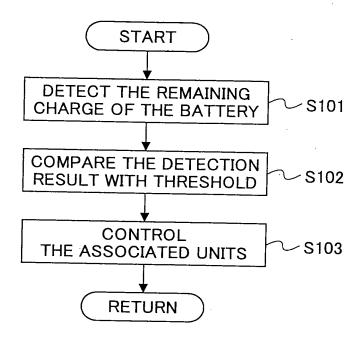
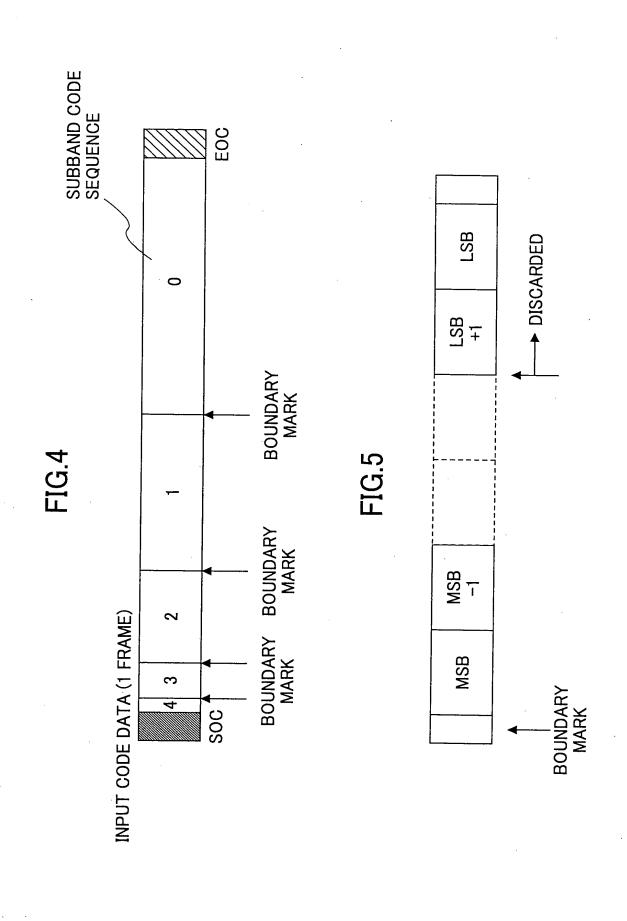
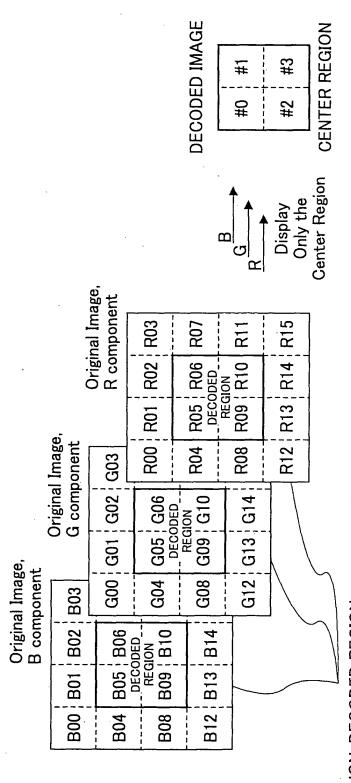


FIG.2



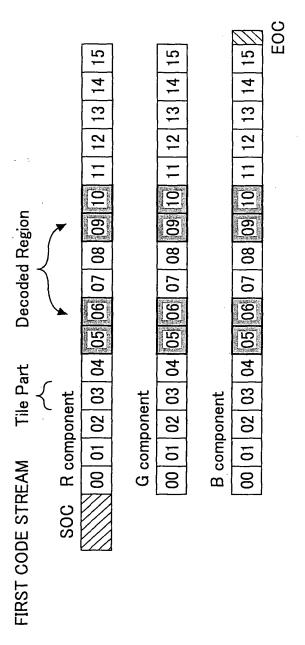
REPRODUCED	NOT REPRODUCED	REPRODUCED	NOT REPRODUCED		END <sup>O</sup> F CODESTREAM
BIT STREAM 1	BIT STREAM 2	BIT STREAM 3	BIT STREAM 4	BIT STREAM n	ŏ
FRAME HEADER	FRAME HEADER	FRAME HEADER	FRAME HEADER	FRAME HEADER	
MAIN HEADER					





NON-DECODED REGION (PERIPHERAL TILES)

FIG.6B



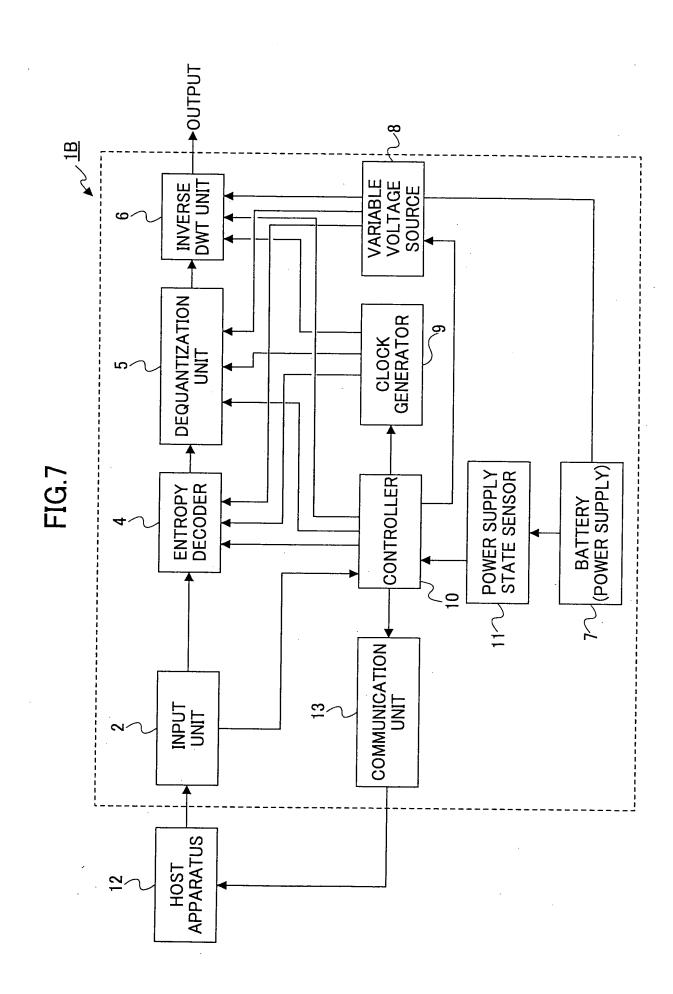
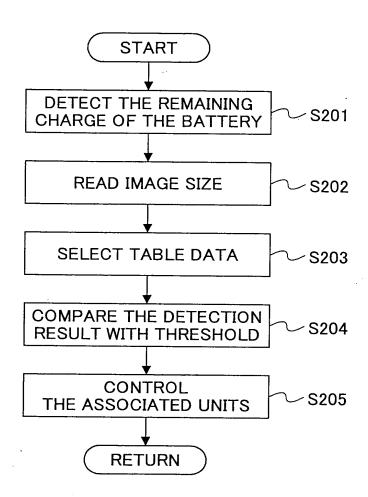


FIG.8



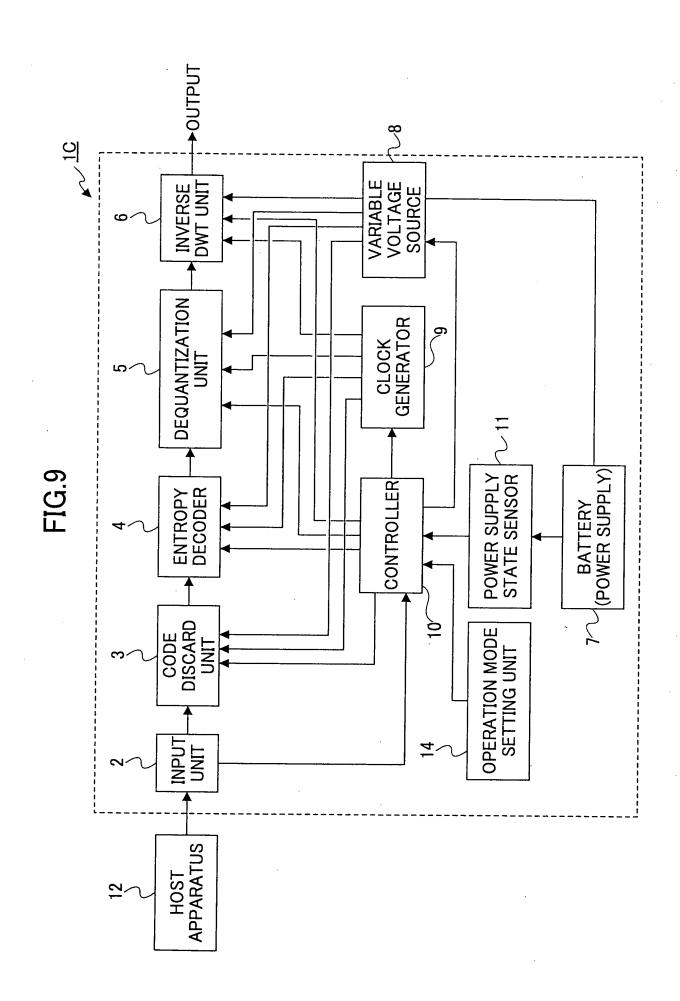
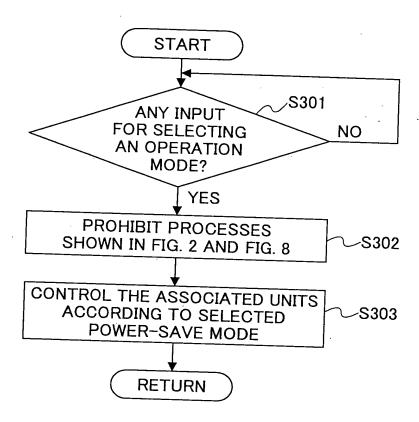
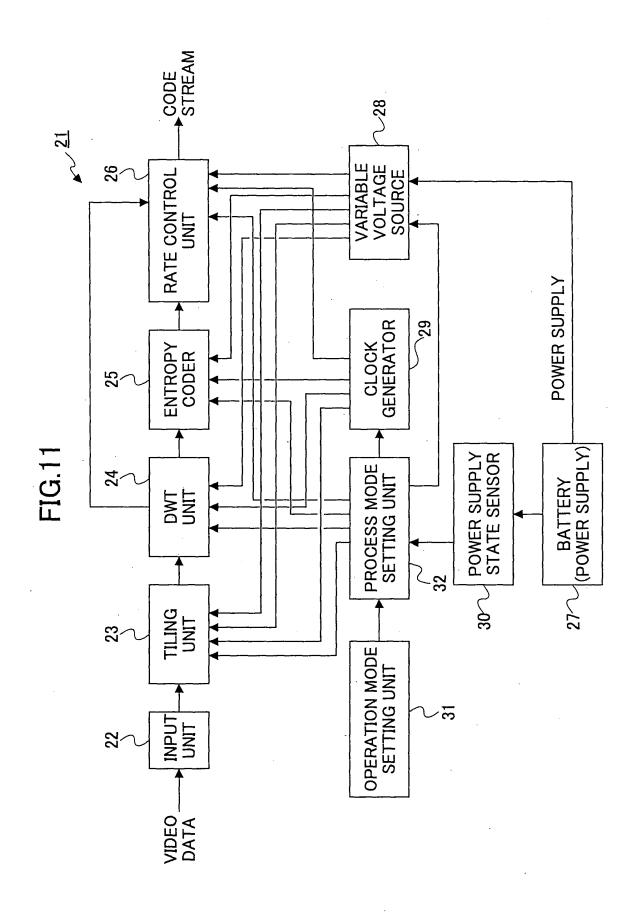


FIG.10





**FIG.12** 

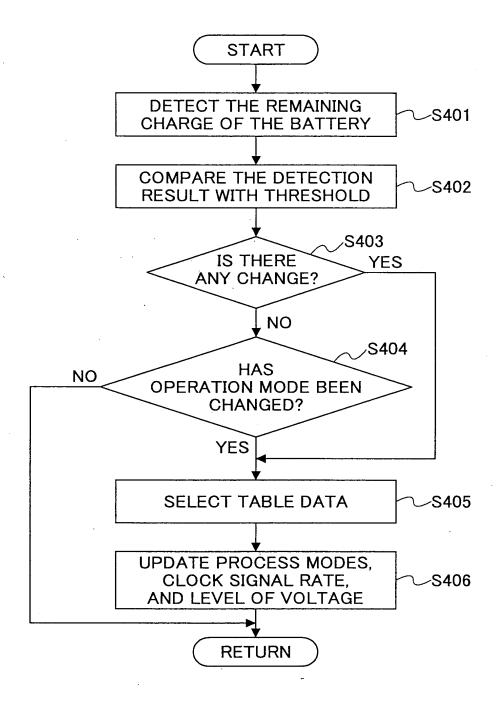
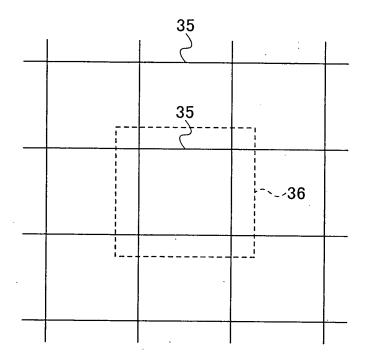


FIG. 13

POWER SUPPLY STATE (OPERATION MODE)	PROCESS MODE	CLOCK	OUTPUT VOLTAGE
AC (ORDINARY MODE)	OVERLAP 9*7 (5-LEVEL) LAGRANGIAN RATE CONTROL	1/1 CLOCK	3.3V
BATTERY CHARGE SUFFICIENT (POWER-SAVE MODE 1)	OVERLAP 9*7 (5-LEVEL) PLAIN RATE CONTROL	1/1 CLOCK	3.3V NO POWER SUPPLY FOR LAGRANGIAN RATE CONTROL
BATTERY CHARGE INSUFFICIENT (POWER-SAVE MODE 2)	NON-OVERLAP 5*3 (3-LEVEL) PLAIN RATE CONTROL	3/4 CLOCK	3.1V

~ ₹

FIG.14



a+3

Coef. = B1\*(a-4)+B2\*(a-3)+B3\*(a-2)+B4\*(a-1)+B5\*a+B6\*(a+1)+B7\*(a+2)+B8\*(a+3)+B9\*(a+4)5\*3 FILTER:

a+4

a+3

Ø

FIG.15C

HIGH FREQUENCY COMPONENT

a+1 a-1

Coef. = D1\*(a-1)+D2\*a+D3\*(a+1)

FIG.15D

LOW FREQUENCY COMPONENT

a+2 a+1 Ø a-1

Coef. = E1\*(a-2)+E2\*(a-1)+E3\*a+E4\*(a+1)+E5\*(a+2)

FIG.16A

3-Level Wavelet Decomposition

3LL 3HL 2HL 3LH 3HH 2HH	1HL
1LH	1HH

FIG.16B

## 5-Level Wavelet Decomposition

5LL 5HL	3LL 3HL 2HL	1HL
5LH 5HH	2LH 2HH	
4LH 4HH	1LH	1HH

FIG.17

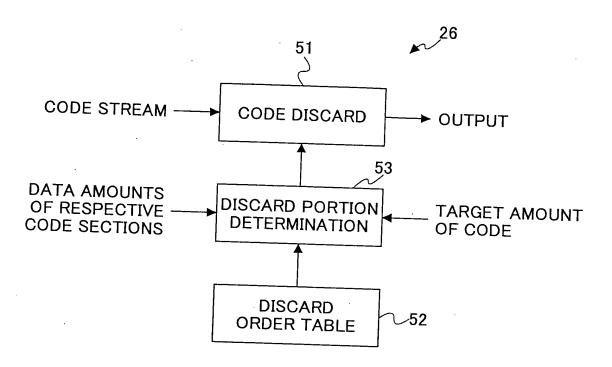


FIG.18

DISCARD PATTERN #	2LL	2HL	2LH	2HH	1HL	1LH	1HH
,0	0	Ó	0	0	0	0	0
1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	2
3	0	0	0	0	0	0	3
4	0	0	0	0	0	1	3
5	0	0	0	0	1	1	3
6	0	0	0	0	1	1	4
7	0	0	0	0	1	2	4
8	0	0	0	0	2	2	4
ю я в							

DISCARD ORDER TABLE

FIG.19

2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LL	2LL	2LL	2LL	2HL	2HL	2HL	2HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
2LH	2LH	2LH	2LH	2HH	2HH	2HH	2HH	1HL	1HL	1HL	1HL	1HL	1HL	1HL	1HL
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1 HH							
1LH	1HH	1HH	1HH	<b>1</b> HH	1HH	1HH	1 HH	1 HH							
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1 HH							
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH							
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH							
1LH	1HH	1 HH	1HH	1HH	1HH	1HH	1HH	1HH							
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1HH							
1LH	1HH	1HH	1HH	1HH	1HH	1HH	1HH	1 HH							

COEFFICIENTS OF 2-LEVEL WAVELET TRANSFORM

## FIG.20A

0	1	2	3
4	5	6	7
8	9	10	11
12	13	14	15

## COEFFICIENTS OF 2LL SUBBAND

## FIG.20B

0	0	0	0
0	0	0	0
1	1	1	1
1	1	1	1

0	0	0	0
1	1	7-	1
0	0	0	0
1	1	1	1

0	0	1	1
0	0	1	1
0	0	1	1
0	0	1	1

0	1	0	1
0	1	0	1
0	1	0	1
0	1	0	1

HIGHEST BIT-PLANE LOWEST BIT-PLANE

4 BIT-PLANES OF 2LL SUBBAND

FIG.21

	CODE OF THE HIGHEST BIT-PLANE
2LL	
	CODE OF THE LOWEST BIT-PLANE
	CODE OF THE HIGHEST BIT-PLANE
2HL	
	CODE OF THE LOWEST BIT-PLANE
	CODE OF THE HIGHEST BIT-PLANE
2LH	• • •
	CODE OF THE LOWEST BIT-PLANE
-	CODE OF THE HIGHEST BIT-PLANE
2HH	
	CODE OF THE LOWEST BIT-PLANE
	CODE OF THE HIGHEST BIT-PLANE
1HL	•••
	CODE OF THE LOWEST BIT-PLANE
	CODE OF THE HIGHEST BIT-PLANE
1LH	•••
	CODE OF THE LOWEST BIT-PLANE
	CODE OF THE HIGHEST BIT-PLANE
1HH	
	CODE OF THE LOWEST BIT-PLANE